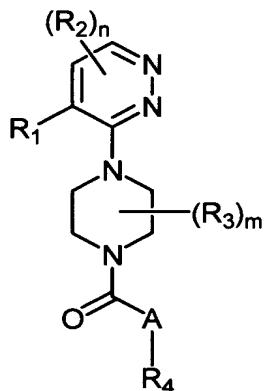


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A compound of formula (I):



or a pharmaceutically acceptable salt thereof, wherein:

A is -NH-, -N(C₁-C₆)alkyl-, or -N-(O-C₁-C₆ alkyl)-;

R₁ is -halo, -CH₃, -NO₂, -CN, -OH, -OCH₃, -NH₂, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each R₂ is independently:

(a) -halo, -OH, or -NH₂;

(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₃ is independently:

(a) -halo, -CN, -OH, -NO₂, or -NH₂;

(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

R₄ is:

(a) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(b) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₅ is independently -CN, -OH, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₆ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, -CH₂(halo), -CN, -OH, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₇ is independently -H, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each halo is independently -F, -Cl, -Br, or -I;

n is an integer ranging from 0 to 2; and

m is an integer ranging from 0 to 2.

2. (original) The compound of claim 1, wherein:

n is 0;

m is 0; and

R₄ is phenyl.

3. (original) The compound of claim 2, wherein the R₄ phenyl is unsubstituted.
4. (original) The compound of claim 2, wherein the R₄ phenyl is substituted at the 4-position.
5. (original) The compound of claim 4, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.
6. (original) The compound of claim 5, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.
7. (original) The compound of claim 5, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.
8. (original) The compound of claim 4, wherein the R₄ phenyl is substituted with a -CF₃ group.
9. (original) The compound of claim 4, wherein the R₄ phenyl is substituted with a -OCF₃ group.
10. (original) The compound of claim 1, wherein:
n is 0;
m is 1;
R₃ is methyl; and
R₄ is phenyl.
11. (original) The compound of claim 10, wherein the R₄ phenyl is unsubstituted.
12. (original) The compound of claim 10, wherein the R₄ phenyl is substituted at the 4-position.
13. (original) The compound of claim 12, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

14. (original) The compound of claim 13, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

15. (original) The compound of claim 13, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

16. (currently amended) The compound of claim 12, wherein the R₄ phenyl is substituted with a -CF₃ group.

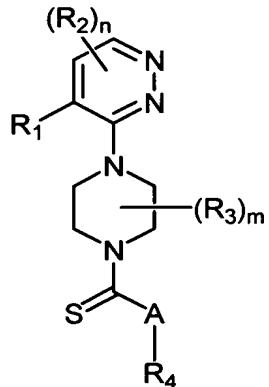
17. (currently amended) The compound of claim 12, wherein the R₄ phenyl is substituted with a -OCF₃ group.

18. (original) The compound of claim 1, wherein A is -NH-.

19. (original) The compound of claim 1, wherein A is -N(C₁-C₆)alkyl-.

20. (original) The compound of claim 1, wherein A is -N-(O-C₁-C₆ alkyl)-.

21. (currently amended) A compound of formula (II):



(II)

or a pharmaceutically acceptable salt thereof, wherein:

A is -N(O-C₁-C₆ alkyl)-, -CH₂-, -CH₂CH₂-, or -CH=CH-;

R₁ is -halo, -CH₃, -NO₂, -CN, -OH, -OCH₃, -NH₂, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each R₂ is independently:

(a) -halo, -CN, -OH, -NO₂, or -NH₂;
(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₃ is independently:

(a) -halo, -CN, -OH, -NO₂, or -NH₂;
(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

R₄ is:

(a) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(b) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₅ is independently -CN, -OH, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₆ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, -CH₂(halo), -CN, -OH, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₇ is independently -H, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂ or -CH₂(halo);

each halo is independently -F, -Cl, -Br, or -I;

n is an integer ranging from 0 to 2; and

m is an integer ranging from 0 to 2.

22. (original) The compound of claim 21, wherein:

n is 0;

m is 0; and

R₄ is phenyl.

23. (original) The compound of claim 22, wherein the R₄ phenyl is unsubstituted.

24. (original) The compound of claim 22, wherein the R₄ phenyl is substituted at the 4-position.

25. (original) The compound of claim 24, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

26. (original) The compound of claim 25, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

27. (original) The compound of claim 25, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

28. (original) The compound of claim 24, wherein the R₄ phenyl is substituted with a -CF₃ group.

29. (original) The compound of claim 24, wherein the R₄ phenyl is substituted with a -OCF₃ group.

30. (original) The compound of claim 21, wherein:

n is 0;

m is 1;

R₃ is methyl; and

R₄ is phenyl.

31. (original) The compound of claim 30, wherein the R₄ phenyl is unsubstituted.

32. (original) The compound of claim 30, wherein the R₄ phenyl is substituted at the 4-position.

33. (original) The compound of claim 32, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

34. (original) The compound of claim 33, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

35. (original) The compound of claim 33, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

36. (original) The compound of claim 32, wherein the R₄ phenyl is substituted with a -CF₃ group.

37. (original) The compound of claim 32, wherein the R₄ phenyl is substituted with a -OCF₃ group.

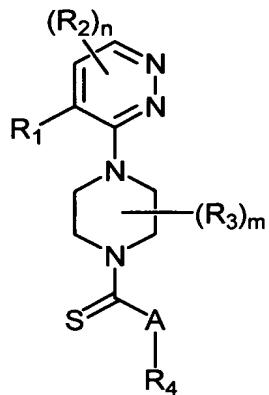
38. (original) The compound of claim 21, wherein A is -N(O-C₁-C₆ alkyl)-.

39. (original) The compound of claim 21, wherein A is -CH₂-.

40. (original) The compound of claim 21, wherein A is -CH₂CH₂-.

41. (original) The compound of claim 21, wherein A is -CH=CH-.

42. (currently amended) A compound of formula (III):



or a pharmaceutically acceptable salt thereof, wherein:

A is -NH- or -N(C₁-C₆)alkyl- -N(C₁-C₆)alkyl-;

R₁ is -halo, -CH₃, -NO₂, -CN, -OH, -OCH₃, -NH₂, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each R₂ is independently:

(a) -halo, -OH, or -NH₂;

(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl,

each of which is unsubstituted or substituted with one or more R₆ groups;

each R₃ is independently:

(a) -halo, -CN, -OH, -NO₂, or -NH₂;

(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl,

each of which is unsubstituted or substituted with one or more R₆ groups;

R₄ is:

(a) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(b) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₅ is independently -CN, -OH, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₆ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, -CH₂(halo), -CN, -OH, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₇ is independently -H, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each halo is independently -F, -Cl, -Br, or -I;

n is an integer ranging from 0 to 2; and

m is an integer ranging from 0 to 2.

43. (original) The compound of claim 42, wherein:

n is 0;

m is 0; and

R₄ is phenyl.

44. (original) The compound of claim 43, wherein the R₄ phenyl is unsubstituted.

45. (original) The compound of claim 43, wherein the R₄ phenyl is substituted at the 4-position.

46. (original) The compound of claim 45, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

47. (original) The compound of claim 46, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

48. (original) The compound of claim 46, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

49. (original) The compound of claim 45, wherein the R₄ phenyl is substituted with a -CF₃ group.

50. (original) The compound of claim 45, wherein the R₄ phenyl is substituted with a -OCF₃ group.

51. (original) The compound of claim 42, wherein:

n is 0;

m is 1;

R₃ is methyl; and

R₄ is phenyl.

52. (original) The compound of claim 51, wherein the R₄ phenyl is unsubstituted.

53. (original) The compound of claim 51, wherein the R₄ phenyl is substituted at the 4-position.

54. (original) The compound of claim 53, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

55. (original) The compound of claim 54, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

56. (original) The compound of claim 54, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

57. (original) The compound of claim 53, wherein the R₄ phenyl is substituted with a -CF₃ group.

58. (original) The compound of claim 53, wherein the R₄ phenyl is substituted with a -OCF₃ group.

59. (original) The compound of claim 42, wherein A is -NH-.

60. (currently amended) The compound of claim 42, wherein A is ~~-N(C₄-C₆ alkyl)-~~ N(C₁-C₆)alkyl-.

61. (original) A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1 and a pharmaceutically acceptable carrier or excipient.

62. (original) A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21 and a pharmaceutically acceptable carrier or excipient.

63. (original) A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42 and a pharmaceutically acceptable carrier or excipient.

64. (original) A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

65. (original) A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21.

66. (original) A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

67. (original) A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

68. (original) A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21.

69. (original) A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

70. (original) A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

71. (original) A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21.

72. (original) A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

73. (original) A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

74. (original) A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21.

75. (original) A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

76. (original) A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

77. (original) A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21.

78. (original) A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

79. (original) A method for inhibiting VR1 function in a cell comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 1.

80. (original) A method for inhibiting VR1 function in a cell comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 21.

81. (original) A method for inhibiting VR1 function in a cell comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 42.

82. (original) A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 1.

83. (original) A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 21.

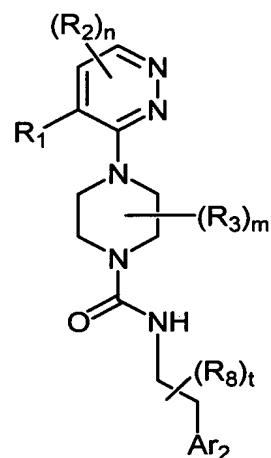
84. (original) A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 42.

85. (original) A method for preparing a composition, comprising the step of admixing a compound or a pharmaceutically acceptable salt of the compound of claim 1 and a pharmaceutically acceptable carrier or excipient.

86. (original) A method for preparing a composition, comprising the step of admixing a compound or a pharmaceutically acceptable salt of the compound of claim 21 and a pharmaceutically acceptable carrier or excipient.

87. (original) A method for preparing a composition, comprising the step of admixing a compound or a pharmaceutically acceptable salt of the compound of claim 42 and a pharmaceutically acceptable carrier or excipient.

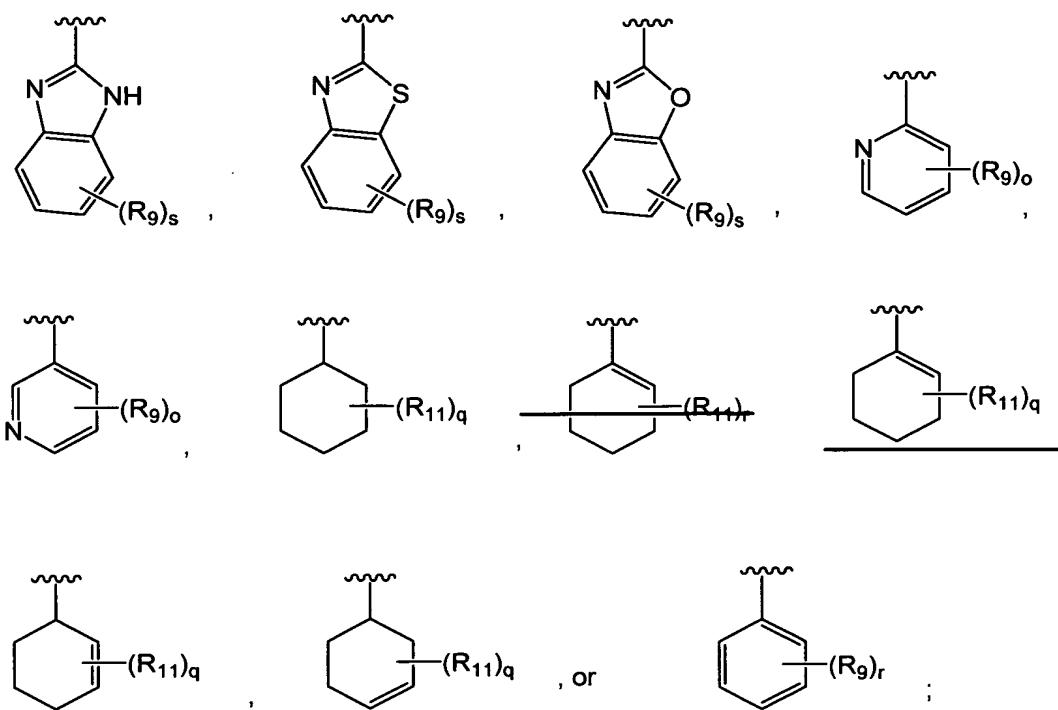
88. (currently amended) A compound of formula (IV):



(IV)

or a pharmaceutically acceptable salt thereof, wherein:

Ar₂ is



R₁ is -H, -halo, -CH₃, -NO₂, -CN, -OH, -OCH₃, -NH₂, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each R₂ is independently:

(a) -halo, -CN, -OH, -NO₂, or -NH₂;

(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₃ is independently:

(a) -halo, -CN, -OH, -NO₂, or -NH₂;

(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₅ is independently -CN, -OH, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₆ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, -CH₂(halo), -CN, -OH, -halo, -N₃, -NO₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₇ is independently -H, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each R₈ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each R₉ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -C(halo)₃, -CH(halo)₂, or -CH₂(halo), -CN, -OH, -halo, -N₃, -NO₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₁₁ is independently -CN, -OH, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each halo is independently -F, -Cl, -Br, or -I;

n is an integer ranging from 0 to 2;

m is 0 or 1;

o is an integer ranging from 0 to 4;

q is an integer ranging from 0 to 6;

r is an integer ranging from 0 to 5;

s is an integer ranging from 0 to 4; and

t is an integer ranging from 0 to 2.

89. (currently amended) A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 87 88 and a pharmaceutically acceptable carrier or excipient.

90. (currently amended) A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 87 88.

91. (currently amended) A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 87 88.

92. (currently amended) A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 87 88.

93. (currently amended) A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 87 88.

94. (currently amended) A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 87 88.

95. (currently amended) A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 87 88.

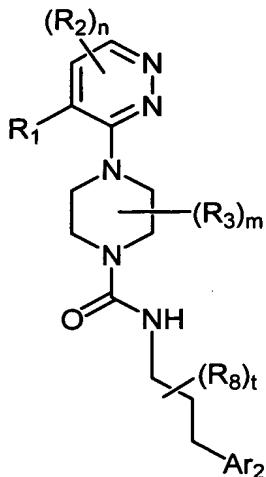
96. (currently amended) A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 87 88.

97. Canceled

98. Canceled

99. (currently amended) A method for preparing a composition, comprising the step of admixing a compound or a pharmaceutically acceptable salt of the compound of claim 87 88 and a pharmaceutically acceptable carrier or excipient.

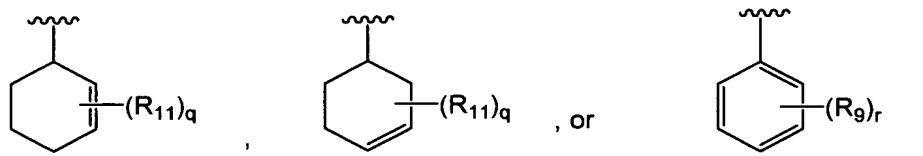
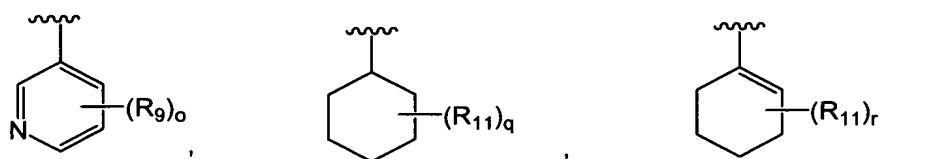
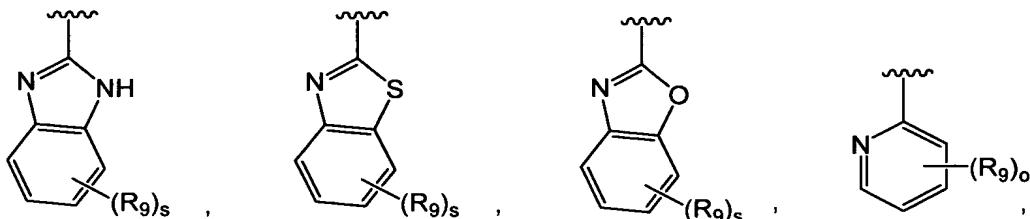
100. (currently amended) A compound of formula (V):



(V)

or a pharmaceutically acceptable salt thereof, wherein:

Ar₂ is



R₁ is -H, -halo, -CH₃, -NO₂, -CN, -OH, -OCH₃, -NH₂, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each R₂ is independently:

- (a) -halo, -CN, -OH, -NO₂, or -NH₂;

(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₃ is independently:

(a) -halo, -CN, -OH, -NO₂, or -NH₂;

(b) -(C₁-C₁₀)alkyl, -(C₂-C₁₀)alkenyl, -(C₂-C₁₀)alkynyl, -(C₃-C₁₀)cycloalkyl, -(C₈-C₁₄)bicycloalkyl, -(C₈-C₁₄)tricycloalkyl, -(C₅-C₁₀)cycloalkenyl, -(C₈-C₁₄)bicycloalkenyl, -(C₈-C₁₄)tricycloalkenyl, -(3- to 7-membered)heterocycle, or -(7- to 10-membered)bicycloheterocycle, each of which is unsubstituted or substituted with one or more R₅ groups; or

(c) -phenyl, -naphthyl, -(C₁₄)aryl or -(5- to 10-membered)heteroaryl, each of which is unsubstituted or substituted with one or more R₆ groups;

each R₅ is independently -CN, -OH, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₆ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, -CH₂(halo), -CN, -OH, -halo, -N₃, -NO₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₇ is independently -H, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, or -CH₂(halo);

each R₈ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -(3- to 5-membered)heterocycle, -C(halo)₃, -CH(halo)₂, or CH₂(halo);

each R₉ is independently -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -(C₃-C₈)cycloalkyl, -(C₅-C₈)cycloalkenyl, -phenyl, -C(halo)₃, -CH(halo)₂, or CH₂(halo), -CN, -OH, -halo, -N₃, -NO₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each R₁₁ is independently -CN, -OH, -(C₁-C₆)alkyl, -(C₂-C₆)alkenyl, -(C₂-C₆)alkynyl, -halo, -N₃, -NO₂, -N(R₇)₂, -CH=NR₇, -NR₇OH, -OR₇, -COR₇, -C(O)OR₇, -OC(O)R₇, -OC(O)OR₇, -SR₇, -S(O)R₇, or -S(O)₂R₇;

each halo is independently -F, -Cl, -Br, or -I;

n is an integer ranging from 0 to 2;

m is 0 or 1;

o is an integer ranging from 0 to 4;

q is an integer ranging from 0 to 6;

r is an integer ranging from 0 to 5;

s is an integer ranging from 0 to 4; and

t is an integer ranging from 0 to 2.

101. (currently amended) A composition comprising an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 99 100 and a pharmaceutically acceptable carrier or excipient.

102. (currently amended) A method for treating pain in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 99 100.

103. (currently amended) A method for treating urinary incontinence in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 99 100.

104. (currently amended) A method for treating an ulcer in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 99 100.

105. (currently amended) A method for treating irritable-bowel syndrome in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 99 100.

106. (currently amended) A method for treating inflammatory-bowel disease in an animal, comprising administering to an animal in need thereof an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 99 100.

107. (currently amended) A method for inhibiting VR1 function in a cell, comprising contacting a cell capable of expressing VR1 with an effective amount of the compound or a pharmaceutically acceptable salt of the compound of claim 99 100.

108. (currently amended) A kit comprising a container containing an effective amount of a compound or a pharmaceutically acceptable salt of the compound of claim 99 100.

109. Canceled

110. Canceled

111. (currently amended) A method for preparing a composition, comprising the step of admixing a compound or a pharmaceutically acceptable salt of the compound of claim 99 100 and a pharmaceutically acceptable carrier or excipient.

112. (original) The compound of claim 1, wherein:

n is 0;

m is 1;

R₃ is -CH₃;

R₁ is -halo; and

R₄ is phenyl.

113. (original) The compound of claim 112, wherein the R₄ phenyl is unsubstituted.

114. (original) The compound of claim 112, wherein the R₄ phenyl is substituted at the 4-position.

115. (original) The compound of claim 114, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

116. (original) The compound of claim 115, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

117. (original) The compound of claim 115, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

118. (currently amended) The compound of claim 114, wherein the R₄ phenyl is substituted with a -CF₃ group.

119. (currently amended) The compound of claim 114, wherein the R₄ phenyl is substituted with a -OCF₃ group.

120. (original) The compound of claim 112, wherein R₁ is -Cl.

121. (original) The compound of claim 120, wherein the R₄ phenyl is unsubstituted.

122. (original) The compound of claim 120, wherein the R₄ phenyl is substituted at the 4-position.

123. (original) The compound of claim 122, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

124. (original) The compound of claim 123, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

125. (original) The compound of claim 123, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

126. (currently amended) The compound of claim 122, wherein the R₄ phenyl is substituted with a -CF₃ group.

127. (currently amended) The compound of claim 122, wherein the R₄ phenyl is substituted with a -OCF₃ group.

128. (original) The compound of claim 112, wherein R₁ is -F.

129. (original) The compound of claim 128, wherein the R₄ phenyl is unsubstituted.

130. (original) The compound of claim 128, wherein the R₄ phenyl is substituted at the 4-position.

131. (original) The compound of claim 130, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

132. (original) The compound of claim 131, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

133. (original) The compound of claim 131, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

134. (currently amended) The compound of claim 130, wherein the R₄ phenyl is substituted with a -CF₃ group.

135. (currently amended) The compound of claim 130, wherein the R₄ phenyl is substituted with a -OCF₃ group.

136. (original) The compound of claim 1, wherein:

n is 0;

m is 1;

R₃ is -CH₃;

R₁ is -CH₃; and

R₄ is phenyl.

137. (original) The compound of claim 136, wherein the R₄ phenyl is unsubstituted.

138. (original) The compound of claim 136, wherein the R₄ phenyl is substituted at the 4-position.

139. (original) The compound of claim 138, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

140. (original) The compound of claim 139, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

141. (original) The compound of claim 139, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

142. (currently amended) The compound of claim 138, wherein the R₄ phenyl is substituted with a -CF₃ group.

143. (currently amended) The compound of claim 138, wherein the R₄ phenyl is substituted with a -OCF₃ group.

144. (original) The compound of claim 21, wherein:

n is 0;

m is 1;

R₃ is -CH₃;

R₁ is -halo; and

R₄ is phenyl.

145. (original) The compound of claim 144, wherein the R₄ phenyl is unsubstituted.

146. (original) The compound of claim 144, wherein the R₄ phenyl is substituted at the 4-position.

147. (original) The compound of claim 146, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

148. (original) The compound of claim 147, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

149. (original) The compound of claim 147, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

150. (currently amended) The compound of claim 146, wherein the R₄ phenyl is substituted with a -CF₃ group.

151. (currently amended) The compound of claim 146, wherein the R₄ phenyl is substituted with a -OCF₃ group.

152. (original) The compound of claim 144, wherein R₁ is -Cl.

153. (original) The compound of claim 152, wherein the R₄ phenyl is unsubstituted.

154. (original) The compound of claim 152, wherein the R₄ phenyl is substituted at the 4-position.

155. (original) The compound of claim 154, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

156. (original) The compound of claim 155, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

157. (original) The compound of claim 155, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

158. (currently amended) The compound of claim 154, wherein the R₄ phenyl is substituted with a -CF₃ group.

159. (currently amended) The compound of claim 154, wherein the R₄ phenyl is substituted with a -OCF₃ group.

160. (original) The compound of claim 144, wherein R₁ is -F.

161. (original) The compound of claim 160, wherein the R₄ phenyl is unsubstituted.

162. (original) The compound of claim 160, wherein the R₄ phenyl is substituted at the 4-position.

163. (original) The compound of claim 162, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

164. (original) The compound of claim 163, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

165. (original) The compound of claim 163, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

166. (currently amended) The compound of claim 162, wherein the R₄ phenyl is substituted with a -CF₃ group.

167. (currently amended) The compound of claim 162, wherein the R₄ phenyl is substituted with a -OCF₃ group.

168. (original) The compound of claim 21, wherein:

n is 0;

m is 1;

R₁ is -CH₃; and

R₄ is phenyl.

169. (original) The compound of claim 168, wherein the R₄ phenyl is unsubstituted.

170. (original) The compound of claim 168, wherein the R₄ phenyl is substituted at the 4-position.

171. (original) The compound of claim 170, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

172. (original) The compound of claim 171, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

173. (original) The compound of claim 171, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

174. (currently amended) The compound of claim 170, wherein the R₄ phenyl is substituted with a -CF₃ group.

175. (currently amended) The compound of claim 170, wherein the R₄ phenyl is substituted with a -OCF₃ group.

176. (original) The compound of claim 42, wherein:

n is 0;

m is 1;

R₃ is -CH₃;

R₁ is -halo; and

R₄ is phenyl.

177. (original) The compound of claim 176, wherein the R₄ phenyl is unsubstituted.

178. (original) The compound of claim 176, wherein the R₄ phenyl is substituted at the 4-position.

179. (original) The compound of claim 178, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

180. (original) The compound of claim 179, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

181. (original) The compound of claim 179, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

182. (currently amended) The compound of claim 178, wherein the R₄ phenyl is substituted with a -CF₃ group.

183. (currently amended) The compound of claim 178, wherein the R₄ phenyl is substituted with a -OCF₃ group.

184. (original) The compound of claim 176, wherein R₁ is -Cl.

185. (original) The compound of claim 184, wherein the R₄ phenyl is unsubstituted.

186. (original) The compound of claim 184, wherein the R₄ phenyl is substituted at the 4-position.

187. (original) The compound of claim 186, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

188. (original) The compound of claim 187, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

189. (original) The compound of claim 187, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

190. (currently amended) The compound of claim 186, wherein the R₄ phenyl is substituted with a -CF₃ group.

191. (currently amended) The compound of claim 186, wherein the R₄ phenyl is substituted with a -OCF₃ group.

192. (original) The compound of claim 176, wherein R₁ is -F.

193. (original) The compound of claim 192, wherein the R₄ phenyl is unsubstituted.

194. (original) The compound of claim 192, wherein the R₄ phenyl is substituted at the 4-position.

195. (original) The compound of claim 194, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

196. (original) The compound of claim 195, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

197. (original) The compound of claim 195, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

198. (currently amended) The compound of claim 194, wherein the R₄ phenyl is substituted with a -CF₃ group.

199. (currently amended) The compound of claim 194, wherein the R₄ phenyl is substituted with a -OCF₃ group.

200. (original) The compound of claim 42, wherein:

n is 0;

m is 1;

R₃ is -CH₃;

R₁ is -CH₃; and

R₄ is phenyl.

201. (original) The compound of claim 200, wherein the R₄ phenyl is unsubstituted.

202. (original) The compound of claim 200, wherein the R₄ phenyl is substituted at the 4-position.

203. (original) The compound of claim 202, wherein the R₄ phenyl is substituted with a -(C₁-C₆) alkyl group.

204. (original) The compound of claim 203, wherein the -(C₁-C₆) alkyl group is a *tert*-butyl group.

205. (original) The compound of claim 203, wherein the -(C₁-C₆) alkyl group is an *iso*-propyl group.

206. (currently amended) The compound of claim 202, wherein the R₄ phenyl is substituted with a -CF₃ group.

207. (currently amended) The compound of claim 202, wherein the R₄ phenyl is substituted with a -OCF₃ group.